 [redacted] 25X1

CONFIDENTIAL

DRAFT

~~SECRET~~ FILE! ED-1780-1 [redacted] 25X1

SEPARATE DISP.

TO [redacted]

FROM Chief, KUSODA [redacted]

OKd G... ILLEGIB

SUBJECT: General: FJDUST/Support
Specific: Field Testing of Incinerators

25X1

This 15 June

ACTION : See Paragraphs 2 and 4

[redacted] 25X1

1. The Air Fed incinerator under Research and Development for emergency destruction of documents is progressing satsfactorily. Headquarters tests on the large prototype model over an extensive period has determined its day to day burning rate as between 200 and 300 pounds per hour, and 500 and 600 pounds per hour under accelerated or emergency conditions as contrasted to commercial models used by ODACID which burn approximately fifty pounds per hour.

2. Three such incinerators are now being fabricated for thorough testing in the field prior to having this model fabricated as a stock item. KUSODA prefers to have these three test models installed at [redacted] 25X1 [redacted] where they will be used for the daily burning of large amounts of material and where they will afford an opportunity for KUBARK personnel [redacted] to see them in action. It is requested that you ascertain whether or not [redacted] could accommodate one of these three test models. 25X1 25X1 25X1 25X1

3. Following is a description of this model and its performance:

a. The outside diameter is forty-two (42) inches and

DOC 3 REV DATE 2 JULY 80 BY 057447
ORIG COMP 056 OPI 56 TYPE 10
ORIG CLASS S PAGES 3 REV CLASS C
JUST 22 NEXT REV 2010 AUTH: HR 10-2
008632

DRAFT ~~SECRET~~ CONFIDENTIAL

the height is sixty-four (64) inches, not including the stack. The diameter of the stack is sixteen (16) inches.

b. A Centrifugal blower unit is driven by a 220 volt, three phase, 50-60 cycle, 7 1/2 horsepower electric motor. (For auxiliary power in emergencies, a standby gasoline driven blower is undergoing tests.) Considerable noise is created by the blower unit. This unit can be isolated a short distance from the incinerator by extending the duct work between the incinerator and blower. The incinerator also emits a normal amount of fine flyash.

c. The temperature of the stack close to the incinerator averages around 1200° F during the maximum burning phase, but on occasion the temperature has risen to 1800° to 2000° F, depending on the type of material being burned. When necessary, the stack can be insulated. The shell of the incinerator is kept relatively cool by the forced air circulating between it and the inner liner.

d. Inherent in the design and use of forced air in the incinerator is a secondary combustion chamber which results in practically no black smoke being emitted by the incinerator as is the case with most commercial incinerators. However, a nonconspicious, white fog type gas is emitted, as well as a normal amount of fine flyash.

e. A photograph of the test model is attached.

4. It is estimated that the incinerators will be ready for shipping on or about 1 August 1960. After any necessary coordination with [redacted] it is requested that KUSODA be advised if [redacted] 25X1 desires the test model and can accommodate it. 25X1

5. For your information, a medium size incinerator (24 inches outside diameter and 65 inches high) is under development. In addition, a small incinerator approximately fourteen (14) inches in diameter and twenty-four (24) inches in height is now on the drawing board. These two models will be the subject of a subsequent dispatch.

[redacted] 25X1

14 June 1960

Distribution:
Orig. & 1 - Addressee
1 - SRD
1 - Area Division
1 - OS:PhySD/SB
1 - SB

Coordination: Area Log Officers; TSS; and OL/SO

Release: Area Division

~~[illegible]~~